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(21)Application number : 02-412794 (71)Applicant : BASF AG
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**(54) PREPARATION OF FLEXIBLE, SOFT POLYURETHANE FOAM HAVING
VISCOELASTICITY AND STRUCTURAL SOUND ATTENUATION PROPERTIES,
AND NEW POLYOXYALKYLENE/POLYOL MIXED COMPOSITION USABLE
THEREFOR**

(57)Abstract:

PURPOSE: To lower the viscoelasticity and enhance the coefficient of dissipation by reacting a specified polyoxyalkylene/polyol with an org. polyisocyanate in the presence of a catalyst, a foaming agent or the like.

CONSTITUTION: 1,2-Propylene oxide (i), a polyoxypropylene (POP) adduct (ii), having an average functionality of 2.3 to 2.8, obtd. by anionically polymerizing a mixture of water with glycerin and/or trimethylolpropane at a high temp., and ethylene oxide (EO) (iii) are polymerized to obtain a block POP/polyoxyethylene (POE)/polyol (PO) mixture (a) having an OH value of 14 to 65 and a content of an end bonded EO unit of 2 to 9 wt.% based on the POP unit. The component (a) is mixed with a di- and/or trifunctional POP/POE/PO (b) having a content of an oxyethylene unit of 60 to 85 wt.% based on the total amt. of the polymerized alkylene oxide units and having an OH value of 20 to 80 to obtain a polyoxyalkylene/PO (A). The component (A), a (modified) org. polyisocyanate (B), and, if necessary, a low-mol.wt. chain extender (C) are reacted together in the presence of a catalyst, a foaming agent or the like (D).

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